

**MICROORGANISMS AND ASSAYS FOR  
THE IDENTIFICATION OF ANTIBIOTICS**

**Abstract of the Disclosure**

- 5                   The present invention features methods for the identification of compounds and compositions useful as antibiotics and antibacterial agents. In particular, the invention features methods for the identification of modulators of a previously unidentified target protein, termed CoaX. High-throughput assay systems are featured as well as assay kits for the identification of CoaX modulators. Also featured
- 10 are *coaX* nucleic acid molecules and purified CoaX proteins, as well as recombinant vectors and microorganisms including the gene, *coaX*.